This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

Claims 1-6 (Cancelled)

7. (New) An adapter for providing an output DC signal, said adapter comprising:

a PWM generator and a DC to DC converter, said PWM generator generating a PWM signal in response to a feedback signal from an external device representative of a power condition of said external device, said DC to DC configured to receive said PWM signal and adjust said output DC signal in response to said PWM signal.

8. (New) The adapter of claim 7, wherein said PWM generator adjusts a duty cycle of said PWM signal in response to said feedback signal.

9. (New) The adapter of claim 7, wherein said power condition of said external device is a power condition of a battery of said external device.

10. (New) The adapter of claim 9, wherein said power condition of said battery is a battery voltage level.

11. (New) The adapter of claim 9, wherein said power condition of said battery is a battery charging current level.

12. (New) The adapter of claim 7, wherein said power condition of said external device is a power requirement of at least one active system of said external device.

13. (New) An electronic device comprising:

a controller configured to generate a feedback signal representative of a power condition of said electronic device, wherein an adapter adjusts an output DC signal from said adapter in response to said feedback signal.

14. (New) The electronic device of claim 13, further comprising a rechargeable battery and wherein said controller provides said output DC signal from said adapter to said rechargeable battery in a battery charging supply mode.

15. (New) The electronic device of claim 13, wherein said controller comprises at least one error amplifier configured to compare a signal representative of said power condition of said electronic device to an associated threshold level, wherein said controller provides said feedback signal in response to a difference between said power condition and said associated threshold level.

16. (New) The electronic device of claim 13, wherein said controller comprises a serial data interface and said feedback signal comprises a serial data signal.

17. (New) The electronic device of claim 13, wherein said controller comprises an analog interface and said feedback signal comprises an analog signal.

18. (New) The electronic device of claim 13, wherein said controller comprises a modulation circuit to modulate said feedback signal on top of said DC signal.

19. (New) The electronic device of claim 13, wherein said power condition of said external device is a power condition of a rechargeable battery of said external device.

20. (New) The electronic device of claim 19, wherein said power condition of said rechargeable battery is a battery voltage level.

21. (New) The electronic device of claim 19, wherein said power condition of said rechargeable battery is a battery charging current level.

22. (New) The electronic device of claim 13, wherein said power condition of said external device is a power requirement of at least one active system of said electronic device.

23. (New) A method of adjusting a DC power signal from an adapter, said method comprising:

monitoring a power condition of an external device coupled to said adapter;

providing a feedback signal to said adapter representative of said power condition of said external device;

adjusting a PWM signal generated by said adapter in response to said feedback signal; and

adjusting said DC power signal provided by said adapter in response to said PWM signal.

24. (New) The method of claim 23, wherein said power condition of said external device is a power condition of a rechargeable battery of said external device.

25. (New) The method of claim 24, wherein said power condition of said rechargeable battery is a battery voltage level.

26. (New) The method of claim 24, wherein said power condition of said rechargeable battery is a battery charging current level.

27. (New) The method of claim 23, wherein said power condition of said external device is a power requirement of at least one active system of said external device.

28. (New) The method of claim 23, wherein said feedback signal comprises an analog signal.

29. (New) The method of claim 23, wherein said feedback signal comprises a serial data signal.